SEQUENCE LISTING

<110> Dawson, Paul

Bowden, Donald

Fossey, Sallyanne

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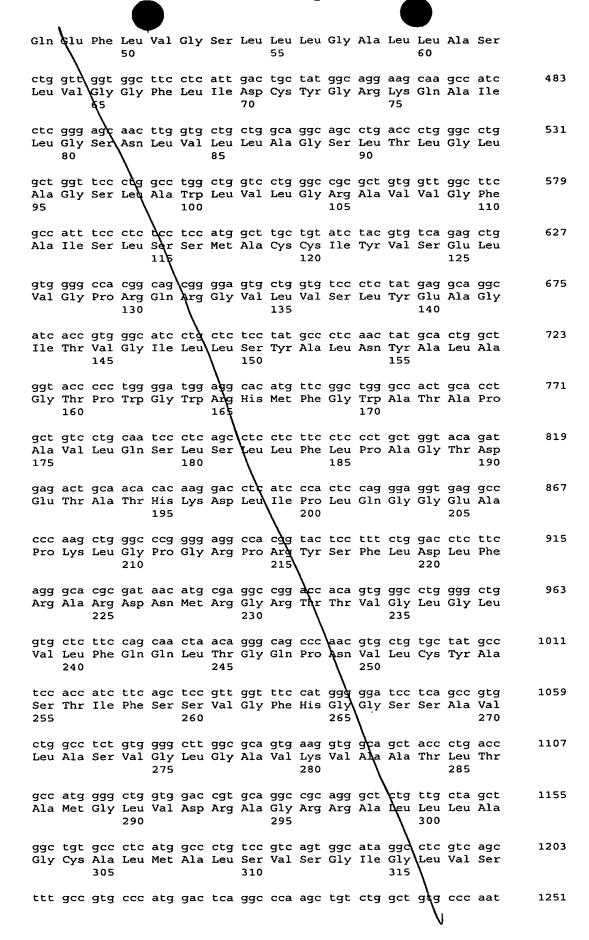
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ggggactccg gcggggatg cgcgcccggc ccctcagcgc ccccagcacg ccgccgagtc     240

ccgctcgcc atg ggc cac tcc cca cct gtc ctg tct ttg tgt gcc tct gtg   291
           Met Gly His Ser Pro Pro Val Leu Pro Leu Cys Ala Ser Val
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Ser Leu Leu Gly Gly Leu Thr Phe Gly Tyr Glu Leu Ala Val Ile Ser
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ggt gcc ctg ctg cca ctg cag ctt gac ttt ggg cta agc tgc ttg gag    387
Gly Ala Leu Leu Pro Leu Gln Leu Asp Phe Gly Leu Ser Cys Leu Glu
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Leu Val Gly Gly Phe Leu Ile Asp Cys Tyr Gly Arg Lys Gln Ala Ile
        65                  70                  75

ctc ggg agc aac ttg gtg ctg ctg gca ggc agc ctg acc ctg ggc ctg    531
Leu Gly Ser Asn Leu Val Leu Leu Ala Gly Ser Leu Thr Leu Gly Leu
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gct ggt tcc ctg gcc tgg ctg gtc ctg ggc cgc gct gtg gtt ggc ttc    579
Ala Gly Ser Leu Ala Trp Leu Val Leu Gly Arg Ala Val Val Gly Phe
95                  100                 105                 110

gcc att tcc ctc tcc tcc atg gct tgc tgt atc tac gtg tca gag ctg    627
Ala Ile Ser Leu Ser Ser Met Ala Cys Cys Ile Tyr Val Ser Glu Leu
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gtg ggg cca cgg cag cgg gga gtg ctg gtg tcc ctc tat gag gca ggc    675
Val Gly Pro Arg Gln Arg Gly Val Leu Val Ser Leu Tyr Glu Ala Gly
            130                 135                 140

atc acc gtg ggc atc ctg ctc tcc tat gcc ctc aac tat gca ctg gct    723
Ile Thr Val Gly Ile Leu Leu Ser Tyr Ala Leu Asn Tyr Ala Leu Ala
            145                 150                 155

ggt acc ccc tgg gga tgg agg cac atg ttc ggc tgg gcc act gca cct    771
Gly Thr Pro Trp Gly Trp Arg His Met Phe Gly Trp Ala Thr Ala Pro
        160                 165                 170

gct gtc ctg caa tcc ctc agc ctc ctc ttc ctc cct gct ggt aca gat    819
Ala Val Leu Gln Ser Leu Ser Leu Leu Phe Leu Pro Ala Gly Thr Asp
175                 180                 185                 190

gag act gca aca cac aag gac ctc atc cca ctc cag gga ggt gag gcc    867
Glu Thr Ala Thr His Lys Asp Leu Ile Pro Leu Gln Gly Gly Glu Ala
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ccc aag ctg ggc ccg ggg agg cca cgg tac tcc ttt ctg gac ctc ttc    915
Pro Lys Leu Gly Pro Gly Arg Pro Arg Tyr Ser Phe Leu Asp Leu Phe
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agg gca cgc gat aac atg cga ggc cgg acc aca gtg ggc ctg ggg ctg    963
Arg Ala Arg Asp Asn Met Arg Gly Arg Thr Thr Val Gly Leu Gly Leu
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gtg ctc ttc cag caa cta aca ggg cag ccc aac gtg ctg tgc tat gcc   1011
Val Leu Phe Gln Gln Leu Thr Gly Gln Pro Asn Val Leu Cys Tyr Ala
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tcc acc atc ttc agc tcc gtt ggt ttc cat ggg gga tcc tca gcc gtg   1059
Ser Thr Ile Phe Ser Ser Val Gly Phe His Gly Gly Ser Ser Ala Val
255                 260                 265                 270

ctg gcc tct gtg ggg ctt ggc gca gtg aag gtg gca gct acc ctg acc   1107
Leu Ala Ser Val Gly Leu Gly Ala Val Lys Val Ala Ala Thr Leu Thr
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gcc atg ggg ctg gtg gac cgt gca ggc cgc agg gct ctg ttg cta gct   1155
Ala Met Gly Leu Val Asp Arg Ala Gly Arg Arg Ala Leu Leu Leu Ala
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ggc tgt gcc ctc atg gcc ctg tcc gtc agt ggc ata ggc ctc gtc agc   1203
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Ser Ser Leu Pro Pro Ile Pro Arg Thr Asn Glu Asp Gln Arg Glu Pro
                355             360             365

atc ttg tcc act gct aag aaa acc aag ccc cat ccc aga tct gga gac    1395
Ile Leu Ser Thr Ala Lys Lys Thr Lys Pro His Pro Arg Ser Gly Asp
            370             375             380

ccc tca gcc cct cct cgg ctg gcc ctg agc tct gcc ctc cct ggg ccc    1443
Pro Ser Ala Pro Pro Arg Leu Ala Leu Ser Ser Ala Leu Pro Gly Pro
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cct ctg ccc gct cgg ggg cat gca ctg ctg cgc tgg acc gca ctg ctg    1491
Pro Leu Pro Ala Arg Gly His Ala Leu Leu Arg Trp Thr Ala Leu Leu
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tgc ctg atg gtc ttt gtc agt gcc ttc tcc ttt ggg ttt ggg cca gtg    1539
Cys Leu Met Val Phe Val Ser Ala Phe Ser Phe Gly Phe Gly Pro Val
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acc tgg ctt gtc ctc agc gag atc tac cct gtg gag ata cga gga aga    1587
Thr Trp Leu Val Leu Ser Glu Ile Tyr Pro Val Glu Ile Arg Gly Arg
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gcc ttc gcc ttc tgc aac agc ttc aac tgg gcg gcc aac ctc ttc atc    1635
Ala Phe Ala Phe Cys Asn Ser Phe Asn Trp Ala Ala Asn Leu Phe Ile
            450             455             460

agc ctc tcc ttc ctc gat ctc att ggc acc atc ggc ttg tcc tgg acc    1683
Ser Leu Ser Phe Leu Asp Leu Ile Gly Thr Ile Gly Leu Ser Trp Thr
            465             470             475

ttc ctg ctc tac gga ctg acc gct gtc ctc ggc ctg ggc ttc atc tat    1731
Phe Leu Leu Tyr Gly Leu Thr Ala Val Leu Gly Leu Gly Phe Ile Tyr
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tta ttt gtt cct gaa aca aaa ggc cag tcg ttg gca gag ata gac cag    1779
Leu Phe Val Pro Glu Thr Lys Gly Gln Ser Leu Ala Glu Ile Asp Gln
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Gln Phe Gln Lys Arg Arg Phe Thr Leu Ser Phe Gly His Arg Gln Asn
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tcc act ggc atc ccg tac agc cgc atc gag atc tct gcg gcc tcc tga    1875
Ser Thr Gly Ile Pro Tyr Ser Arg Ile Glu Ile Ser Ala Ala Ser
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Leu Leu Pro Leu Gln Leu Asp Phe Gly Leu Ser Cys Leu Glu Gln Glu
        35   40   45

Phe Leu Val Gly Ser Leu Leu Leu Gly Ala Leu Leu Ala Ser Leu Val
        50   55   60

Gly Gly Phe Leu Ile Asp Cys Tyr Gly Arg Lys Gln Ala Ile Leu Gly
65   70   75   80

Ser Asn Leu Val Leu Leu Ala Gly Ser Leu Thr Leu Gly Leu Ala Gly
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Ser Leu Ala Trp Leu Val Leu Gly Arg Ala Val Val Gly Phe Ala Ile
            100   105   110

Ser Leu Ser Ser Met Ala Cys Cys Ile Tyr Val Ser Glu Leu Val Gly
        115   120   125

Pro Arg Gln Arg Gly Val Leu Val Ser Leu Tyr Glu Ala Gly Ile Thr
        130   135   140

Val Gly Ile Leu Leu Ser Tyr Ala Leu Asn Tyr Ala Leu Ala Gly Thr
145   150   155   160

Pro Trp Gly Trp Arg His Met Phe Gly Trp Ala Thr Ala Pro Ala Val
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Leu Gln Ser Leu Ser Leu Leu Phe Leu Pro Ala Gly Thr Asp Glu Thr
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Ala Thr His Lys Asp Leu Ile Pro Leu Gln Gly Gly Glu Ala Pro Lys
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Ile Phe Ser Ser Val Gly Phe His Gly Gly Ser Ser Ala Val Leu Ala
            260             265             270

Ser Val Gly Leu Gly Ala Val Lys Val Ala Ala Thr Leu Thr Ala Met
        275             280             285

Gly Leu Val Asp Arg Ala Gly Arg Arg Ala Leu Leu Leu Ala Gly Cys
    290             295             300

Ala Leu Met Ala Leu Ser Val Ser Gly Ile Gly Leu Val Ser Phe Ala
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Val Pro Met Asp Ser Gly Pro Ser Cys Leu Ala Val Pro Asn Ala Thr
            325             330             335

Gly Gln Thr Gly Leu Pro Gly Asp Ser Gly Leu Leu Gln Asp Ser Ser
            340             345             350

Leu Pro Pro Ile Pro Arg Thr Asn Glu Asp Gln Arg Glu Pro Ile Leu
    355             360             365

Ser Thr Ala Lys Lys Thr Lys Pro His Pro Arg Ser Gly Asp Pro Ser
    370             375             380

Ala Pro Pro Arg Leu Ala Leu Ser Ser Ala Leu Pro Gly Pro Pro Leu
385             390             395             400

Pro Ala Arg Gly His Ala Leu Leu Arg Trp Thr Ala Leu Leu Cys Leu
            405             410             415

Met Val Phe Val Ser Ala Phe Ser Phe Gly Phe Gly Pro Val Thr Trp
            420             425             430

Leu Val Leu Ser Glu Ile Tyr Pro Val Glu Ile Arg Gly Arg Ala Phe
    435             440             445

Ala Phe Cys Asn Ser Phe Asn Trp Ala Ala Asn Leu Phe Ile Ser Leu
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Ser Phe Leu Asp Leu Ile Gly Thr Ile Gly Leu Ser Trp Thr Phe Leu
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Val Pro Glu Thr Lys Gly Gln Ser Leu Ala Glu Ile Asp Gln Gln Phe
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Gln Lys Arg Arg Phe Thr Leu Ser Phe Gly His Arg Gln Asn Ser Thr
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